

**Figure 1**

1 ATG GAA CCA GTA GAA TGC CCT CGA GGA CTG CTC CCA  
Met Glu Pro Val Glu Cys Pro Arg Gly Leu Leu Pro

37 CGG CCA TGC AGA GTG CTG GTG CTG CTG AAC CCC CAG  
Arg Pro Cys Arg Val Leu Val Leu Leu Asn Pro Gln

73 GGT GGC AAG GGC AAG GCT CTG CAG CTC TTC CAG AGC  
Gly Gly Lys Gly Lys Ala Leu Gln Leu Phe Gln Ser

109 CGT GTG CAG CCC TTC CTG GAG GAG GCA GAG ATA ACC  
Arg Val Gln Pro Phe Leu Glu Glu Ala Glu Ile Thr

145 TTT AAA CTG ATA CTC ACC GAA CGG AAG AAC CAT GCC  
Phe Lys Leu Ile Leu Thr Glu Arg Lys Asn His Ala

181 AGG GAG CTG GTG TGT GCA GAG GAG TTG GGT CAC TGG  
Arg Glu Leu Val Cys Ala Glu Glu Leu Gly His Trp

217 GAC GCC CTG GCA GTC ATG TCC GGT GAT GGT CTG ATG  
Asp Ala Leu Ala Val Met Ser Gly Asp Gly Leu Met

253 CAT GAG GTG GTG AAT GGG CTA ATG GAA CGG CCC GAC  
His Glu Val Val Asn Gly Leu Met Glu Arg Pro Asp

289 TGG GAG ACT GCC ATC CAG AAA CCC CTG TGT AGC CTC  
Trp Glu Thr Ala Ile Gln Lys Pro Leu Cys Ser Leu

325 CCT GGA GGC TCC GGC AAT GCG CTG GCA GCT TCT GTG  
Pro Gly Gly Ser Gly Asn Ala Leu Ala Ala Ser Val

361 AAC CAC TAT GCT GGG TAC GAG CAG GTG ACT AAT GAA  
Asn His Tyr Ala Gly Tyr Glu Gln Val Thr Asn Glu

397 GAC CTG CTC ATC AAC TGC ACA CTG CTG TTG TGC CGC  
Asp Leu Leu Ile Asn Cys Thr Leu Leu Cys Arg

433 CGG CGC CTG TCA CCC ATG AAC CTG CTG TCC CTG CAC  
Arg Arg Leu Ser Pro Met Asn Leu Leu Ser Leu His

469 ACT GCT TCT GGG CTG CGG CTC TAT TCT GTG CTC AGT  
Thr Ala Ser Gly Leu Arg Leu Tyr Ser Val Leu Ser

505 CTG TCC TGG GGC TTT GTT GCT GAC GTG GAC CTC GAG  
Leu Ser Trp Gly Phe Val Ala Asp Val Asp Leu Glu

541 AGT GAG AAG TAC AGG CGC TTG GGG GAG ATT CGT TTC  
Ser Glu Lys Tyr Arg Arg Leu Gly Glu Ile Arg Phe

577 ACA GTG GGC ACC TTC TTT CGC CTA GCA AGC CTG CGC  
Thr Val Gly Thr Phe Phe Arg Leu Ala Ser Leu Arg

613 ATC TAC CAA GGC CAA CTG GCC TAC CTT CCT GTA GGA  
Ile Tyr Gln Gly Gln Leu Ala Tyr Leu Pro Val Gly

## Figure 2A

649 ACT GTG GCC TCT AAG AGA CCC GCC TCT ACA CTG GTG  
Thr Val Ala Ser Lys Arg Pro Ala Ser Thr Leu Val

685 CAG AAG GGC CCC GTC GAC ACA CAC CTT GTT CCT CTG  
Gln Lys Gly Pro Val Asp Thr His Leu Val Pro Leu

721 GAG GAG CCA GTG CCT TCT CAT TGG ACT GTG GTA CCA  
Glu Glu Pro Val Pro Ser His Trp Thr Val Val Pro

757 GAA CAG GAC TTT GTC CTG GTG CTG GTG CTG CTA CAC  
Glu Gln Asp Phe Val Leu Val Leu Val Leu His

793 ACC CAC CTG AGC TCC GAG CTG TTT GCA GCA CCC ATG  
Thr His Leu Ser Ser Glu Leu Phe Ala Ala Pro Met

829 GGC CGC TGT GAG GCT GGT GTT ATG CAT CTG TTC TAC  
Gly Arg Cys Glu Ala Gly Val Met His Leu Phe Tyr

865 GTA CGT GCG GGG GTG TCA AGG GCT GCG CTG CTG CGC.  
Val Arg Ala Gly Val Ser Arg Ala Ala Leu Leu Arg

901 CTC TTC CTG GCC ATG CAG AAG GGC AAG CAT ATG GAA  
Leu Phe Leu Ala Met Gln Lys Gly Lys His Met Glu

937 CTT GAC TGT CCA TAC CTG GTT CAT GTG CCC GTG GTT  
Leu Asp Cys Pro Tyr Leu Val His Val Pro Val Val

973 GCT TTC CGC CTG GAG CCC AGG AGC CAG AGG GGC GTG  
Ala Phe Arg Leu Glu Pro Arg Ser Gln Arg Gly Val

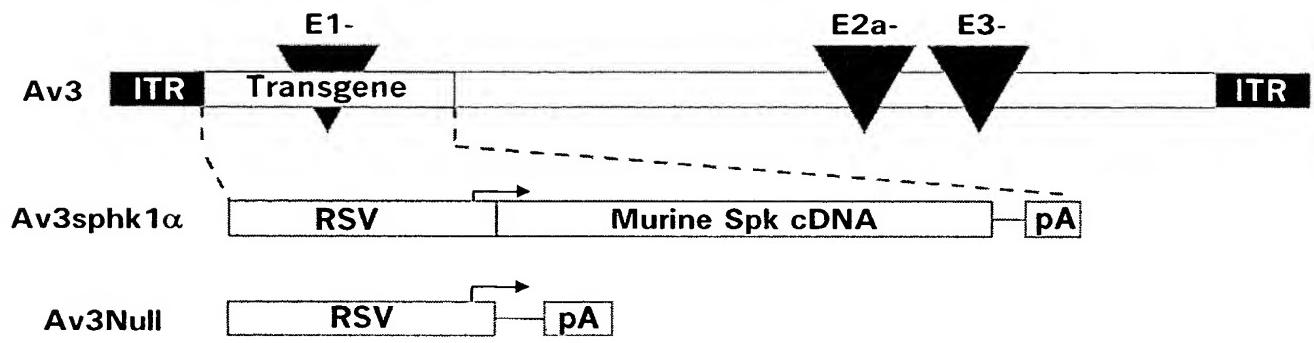
1009 TTT TCT GTG GAT GGA GGG CTG ATG GTA TGT GAA GCT  
Phe Ser Val Asp Gly Gly Leu Met Val Cys Glu Ala

1045 GTG CAG GGC CAA GTG CAC CCA AAC TAC CTT TGG ATG  
Val Gln Gly Gln Val His Pro Asn Tyr Leu Trp Met

1081 GTC TGT GGC AGC AGA GAT GCC CCA TCC GGC CGG GAC  
Val Cys Gly Ser Arg Asp Ala Pro Ser Gly Arg Asp

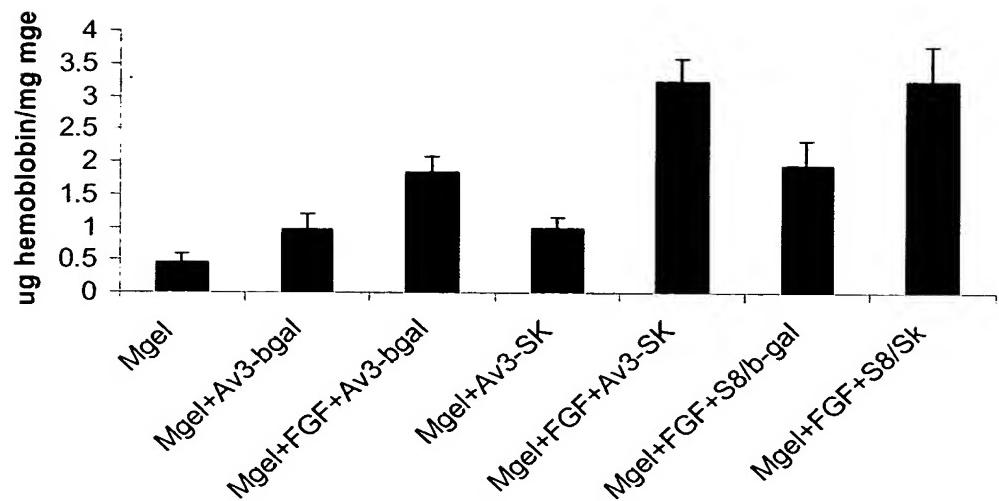
1117 TCC CGG CGG GGG CCA CCT CCA GAA GAA CCA TAA (**Seq ID:5**)  
Ser Arg Arg Gly Pro Pro Pro Glu Glu Pro --- (**Seq ID:6**)

## Figure 2B



**Figure 3**

### Hemoglobin Assay



**Figure 4**

**A**

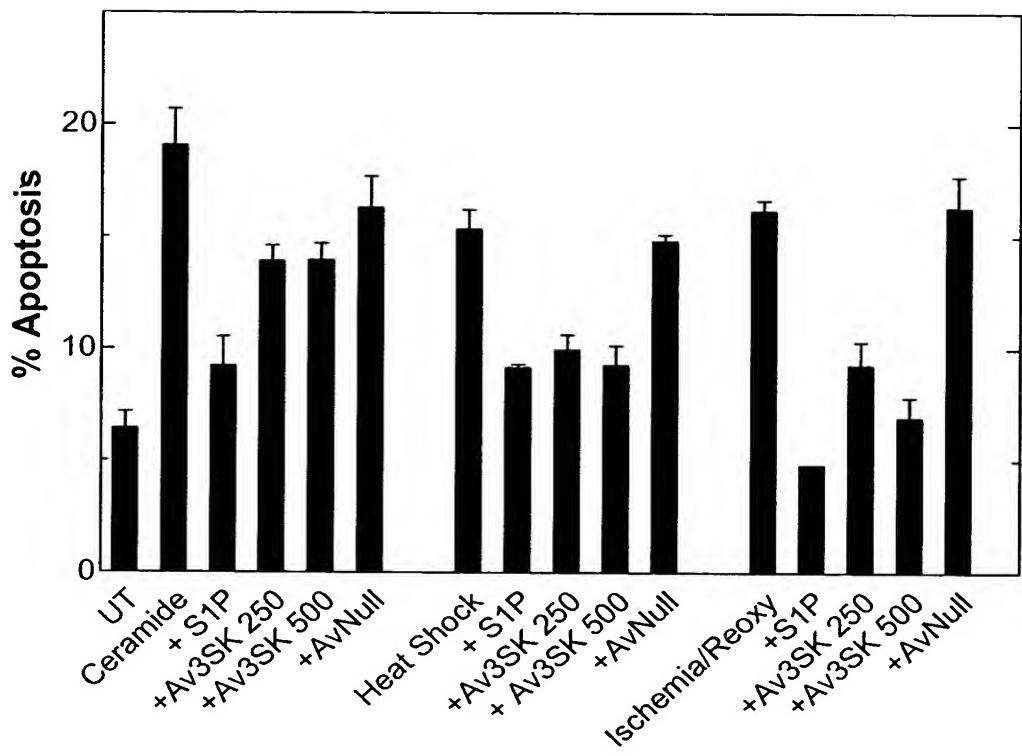


**B**



**C**

**Figure 5**



**Figure 6**